

TABLE 44. First-time, full-time graduate students with temporary visas in science, engineering, and health fields in all institutions, by detailed field: 2002–08

Field	2002	2003	2004	2005	2006	2007old ^a	2007new ^a	2008
All surveyed fields	33,838	31,237	29,375	30,688	35,340	38,109	38,517	42,823
Science and engineering	32,202	29,682	27,712	28,881	33,435	36,196	36,706	40,726
Science	18,344	17,516	16,875	17,413	19,306	20,382	20,708	23,479
Agricultural sciences	464	453	446	432	442	476	508	601
Biological sciences	2,866	2,956	2,988	2,993	3,109	3,255	3,242	3,658
Anatomy	25	40	24	27	34	31	25	21
Biochemistry	319	331	343	329	323	296	306	366
Biology	480	471	492	579	654	779	748	818
Biometry/epidemiology	353	316	277	290	274	342	369	312
Biophysics	49	69	64	46	61	53	50	68
Botany	109	76	118	108	122	132	131	122
Cell biology	271	303	313	315	316	337	331	417
Ecology	37	54	41	32	38	38	34	47
Entomology/parasitology	40	33	48	35	44	36	36	39
Genetics	66	90	103	85	98	87	81	107
Microbiology/immunology/virology	228	191	218	187	145	127	126	160
Nutrition	217	217	229	212	217	246	212	250
Pathology	46	62	50	50	51	35	33	68
Pharmacology	137	137	125	143	116	111	114	156
Physiology	81	120	86	82	63	70	72	96
Zoology	37	37	30	38	26	32	32	25
Biological sciences, nec	371	409	427	435	527	503	542	586
Communication ^a	ne	ne	ne	ne	ne	ne	302	423
Computer sciences	5,503	4,243	4,151	4,626	5,601	6,275	6,222	7,110
Earth, atmospheric, and ocean sciences	537	531	458	488	506	497	478	598
Atmospheric sciences	56	48	42	56	37	44	48	54
Geosciences	258	283	234	235	280	274	266	310
Oceanography	86	82	58	87	77	58	57	84
Earth/atmospheric/ocean sciences, nec	137	118	124	110	112	121	107	150
Family and consumer science/ human science ^a	ne	ne	ne	ne	ne	ne	36	64
Mathematical sciences	1,607	1,658	1,620	1,635	1,820	1,966	1,871	2,043
Mathematics/applied mathematics	1,162	1,160	1,143	1,100	1,285	1,285	1,193	1,306
Statistics	445	498	477	535	535	681	678	737
Multidisciplinary/interdisciplinary studies ^a	ne	ne	ne	ne	ne	ne	187	281
Neuroscience ^a	na	na	na	na	na	na	93	45
Physical sciences	2,505	2,750	2,577	2,519	2,581	2,641	2,622	2,904
Astronomy	57	75	65	46	62	71	71	79
Chemistry	1,454	1,545	1,471	1,443	1,495	1,519	1,504	1,708
Physics	961	1,101	1,026	1,019	1,003	1,036	1,036	1,091
Physical sciences, nec	33	29	15	11	21	15	11	26
Psychology	518	573	534	558	579	639	615	675
Clinical psychology	92	88	84	91	94	94	91	80
Psychology, general	190	215	202	196	204	238	231	234
Psychology, nec	236	270	248	271	281	307	293	361
Social sciences	4,344	4,352	4,101	4,162	4,668	4,633	4,532	5,077
Agricultural economics	222	215	204	214	238	218	210	258
Anthropology (cultural/social)	149	137	119	112	144	161	161	164
Economics (except agricultural)	1,637	1,548	1,416	1,473	1,578	1,715	1,729	1,822
Geography	137	174	129	139	139	118	118	200
History and philosophy of science	7	12	10	23	12	16	11	22
Linguistics	161	183	189	193	160	177	165	196

TABLE 44. First-time, full-time graduate students with temporary visas in science, engineering, and health fields in all institutions, by detailed field: 2002–08

Field	2002	2003	2004	2005	2006	2007old ^a	2007new ^a	2008
Political science	1,292	1,389	1,359	1,332	1,649	1,451	1,421	1,568
Sociology	233	203	155	179	150	205	201	186
Sociology/anthropology	17	18	25	19	15	16	16	13
Social sciences, nec	489	473	495	478	583	556	500	648
Engineering	13,858	12,166	10,837	11,468	14,129	15,814	15,998	17,247
Aerospace engineering	316	309	297	296	327	370	370	409
Agricultural engineering	83	79	81	96	118	114	114	141
Architecture ^a	na	na	na	na	na	na	319	401
Biomedical engineering	415	448	433	446	521	608	608	636
Chemical engineering	856	748	659	669	745	853	871	1,002
Civil engineering ^a	1,857	1,768	1,584	1,565	1,548	1,738	1,474	1,738
Electrical engineering	5,542	4,707	4,175	4,557	6,363	6,762	6,791	6,819
Engineering science	176	161	136	140	148	158	160	222
Industrial engineering	1,457	1,197	969	984	1,215	1,632	1,725	1,985
Mechanical engineering	2,028	1,633	1,445	1,557	1,845	2,083	2,083	2,338
Metallurgical/materials engineering	542	479	472	510	498	578	572	636
Mining engineering	14	35	27	23	25	20	13	22
Nuclear engineering	50	63	54	50	46	58	57	62
Petroleum engineering	151	141	105	135	154	182	182	236
Engineering, nec	371	398	400	440	576	658	659	600
Health	1,636	1,555	1,663	1,807	1,905	1,913	1,811	2,097
Clinical medicine	726	677	669	620	717	853	757	855
Anesthesiology	0	8	0	2	2	1	1	0
Cardiology	3	2	3	2	1	1	1	0
Endocrinology	4	4	0	0	1	3	3	1
Gastroenterology	0	0	0	0	0	0	0	1
Hematology	0	1	0	0	0	1	1	1
Neurology ^a	79	81	68	80	93	135	43	48
Obstetrics/gynecology	0	0	1	4	1	8	8	2
Oncology/cancer research	6	4	10	9	9	5	5	6
Ophthalmology	0	1	4	2	3	4	1	0
Otorhinolaryngology	0	0	0	0	0	0	0	0
Pediatrics	21	15	16	23	16	9	9	10
Preventive medicine/community health	542	487	501	435	538	629	641	721
Psychiatry	2	0	3	0	2	1	1	1
Pulmonary disease	0	0	0	0	0	0	0	0
Radiology	16	9	7	7	12	6	6	14
Surgery	1	0	1	1	0	0	0	0
Clinical medicine, nec	52	65	55	55	39	50	37	50
Other health	910	878	994	1,187	1,188	1,060	1,054	1,242
Dental sciences	86	71	52	75	72	77	82	72
Nursing	76	80	70	91	81	99	99	121
Pharmaceutical sciences	256	243	368	425	397	329	334	432
Speech pathology/audiology	120	110	120	131	147	129	127	148
Veterinary sciences	72	61	64	69	74	68	83	109
Other health, nec	300	313	320	396	417	358	329	360

na = not applicable; data were not collected at this level of detail. ne = not eligible; data were not collected for this field prior to 2007.

nec = not elsewhere classified.

^a In 2007, GSS-eligible fields were reclassified, newly eligible fields were added, and survey was redesigned to improve coverage and coding of GSS-eligible units. "2007new" presents data as collected in 2007; "2007old" reflects data as they would have been collected under 2006 methodology. Science fields "communication" and "family and consumer science/human science" are newly eligible. Data for these two fields are only in 2007new. Science field "multidisciplinary/interdisciplinary studies" is also newly eligible; these data may have been reported under other fields before 2007. "Neuroscience" is reported as a separate field of science in 2007new; these data were reported under health field "neurology" in 2007old and previous years. "Architecture" is reported as a separate field of engineering in 2007new; these data were reported under "civil engineering" in 2007old and previous years. See appendix A, "Technical Notes," for more detail.

SOURCE: National Science Foundation/Division of Science Resources Statistics, NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering.